



MedlinePlus and More

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National Library of Medicine



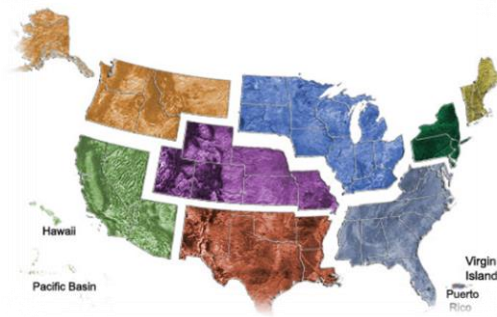
The National Library of Medicine (NLM), on the campus of the National Institutes of Health in Bethesda, Maryland, has been a center of information innovation since its founding in 1836. The world's largest biomedical library, NLM maintains and makes available a vast print collection and produces electronic information resources on a wide range of topics that are searched billions of times each year by millions of people around the globe.

In addition, the Library coordinates a 6,000-member National Network of Libraries of Medicine that promotes and provides access to health information in communities across the United States.

[URL](https://www.nlm.nih.gov/) for NLM

NN/LM: A regional Medical Library near you

- 8 Regional Offices
 - Support Network members to achieve NN/LM mission
 - 5-year contracts

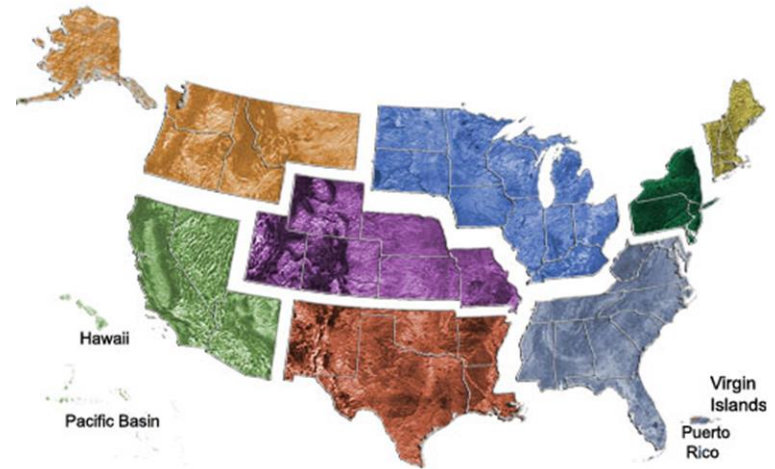


- Mission
 - Provide health professionals, K-12 educators and the general public with equal access to and training on health and science resources

NN/LM MAR is your Regional Medical Library
Join the NN/LM MAR network

National Network of Libraries of Medicine (NN/LM)

- Nationwide program coordinated by NLM
- Core component of NLM's outreach program
- Established in the Medical Library Assistance Act (1965)
 - Formerly Regional Medical Library Program
- 8 Regional Offices
 - **NN/LM Middle Atlantic Region (NN/LM MAR)**
 - 5-year competitive contracts
- Mission: Advance the progress of medicine and improve the public's health.....



Provide US health
professionals with
equal access to
biomedical information

Improve public's
access to information
so they can make
informed decisions
about their health

Health Information Overload!!

There is an overwhelming amount of health information available online.

Why use MedlinePlus instead of other popular search engines and commercial health sites?



MedlinePlus: Health Information You Can Trust



MedlinePlus.gov

The screenshot shows the MedlinePlus.gov homepage. At the top, the MedlinePlus logo is on the left, and the text "A service of the U.S. National Library of Medicine" and "NIN National Institutes of Health" is on the right. Below the logo are links for "About MedlinePlus", "Site Map", "FAQs", "Contact Us", and a "ESPAÑOL" button. A search bar with the placeholder "Search MedlinePlus" and a "GO" button is positioned above a large banner. The banner features the text "Meal Planning & Diabetes" and "Find recipes and advice on MedlinePlus" next to an image of three women in a kitchen. Below the banner are three green buttons: "→ Health Topics", "→ Drugs & Supplements", and "→ Videos & Cool Tools". On the left side, there is a "MEDICAL DICTIONARY" section with a search box and a "GO" button, followed by a "POPULAR SEARCHES" list including terms like amoxicillin, aspirin, bun, calcium, diabetes, gabapentin, hematocrit, hemoglobin, hypertension, lisinopril, metoprolol, trazodone, and vitamin d. Below this is a "FEATURED SITE" section for "February is Children's Dental Health Month". The main content area is titled "About Your Health" and includes tabs for "General", "Seniors", "Men", and "Women". Under the "General" tab, there are links for "Children", "Back Pain", "COOP", "Depression", "Diabetes", "Exercise and Physical Fitness", "Heart Diseases", "High Blood Pressure", "Pregnancy", "Skin Conditions", and "Weight Control". To the right of this is a "Health News" section with a "12 Feb" date and links for "Energy Drinks: Coffee Increasing Sources of Caffeine for Kids, CDC Says", "Minority Health: Preventing High Blood Pressure", and "Premature Babies Benefit from Adult Talk, Study Finds". Below the news is a "Stay Connected" section with an email sign-up form and a "GO" button. At the bottom of the main content area is a "BeTobaccoFree.gov" widget with buttons for "ABOUT TOBACCO", "HEALTH EFFECTS", "QUIT NOW", "DON'T START", "SAY IT - SHARE IT", and "GET THIS WIDGET". The footer contains links for "MAGAZINE", "EASY TO READ", and "MULTIPLE LANGUAGES", along with social media links for "MedlinePlus Connect for eHRS", "Mobile version", "Get email updates", "Subscribe to RSS", and "Follow us on Twitter". At the very bottom, there is a disclaimer, copyright information, and a page last updated date of 11 February 2014.

- Reliable, authoritative
- Consumer-friendly
- No ads
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- Strict quality guidelines
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- Links to information in >45 languages
- Multimedia, news, images, encyclopedia, tutorials and more...

954 English
941 Spanish

~1,000 drugs
100 supplements

>1,400 links to
ClinicalTrials.gov

~ 3,500 encyclopedia articles
> 2,000 images

Meal Planning & Diabetes

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→ Health Topics

→ Drugs & Supplements

→ Videos & Cool Tools

 **MEDICAL DICTIONARY**

GO

POPULAR SEARCHES

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calcium **diabetes**
gabapentin hematocrit
hemoglobin
hypertension
lisinopril
metoprolol trazodone
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 **Health News**

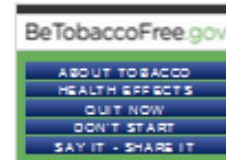
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MAGAZINE

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155 tutorials
78 anatomy videos
145 surgery videos

15-20 news
stories daily

>45 languages
380 topics
>3,600 links

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→ Health Topics

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MEDICAL DICTIONARY

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HEALTH EFFECTS

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MAGAZINE

EASY TO READ

medlineplus.gov



Si tiene diabetes,
planifique sus comidas
Encuentre recetas y consejos en MedlinePlus



→ Temas de salud

→ Medicinas y suplementos

→ Videos y multimedia

BÚSQUEDAS MÁS FRECUENTES

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paracetamol sida
sinusitis

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PÁGINA RECOMENDADA



Febrero es el
mes de la salud
dental del niño.
Infórmese

Acerca de su salud

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Niños

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[Embarazo](#)
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[Enfermedades de la piel](#)
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Noticias sobre la salud

[Los adolescentes de EE. UU. consumen demasiada sal, aumentando el riesgo de obesidad](#)

[Una prueba de heces realizada en casa para el cáncer de colon es calificada como precisa, pero no infalible](#)

[Vinculan más pesticidas con el riesgo de Parkinson](#)

[más noticias de salud](#)



Conéctese con nosotros

Obtenga la información más reciente sobre los temas de salud que más le interesan. Suscríbase a las actualizaciones por email de MedlinePlus:

Ingrese su email

ENVIAR

REVISTA NIH MEDLINEPLUS SALUD

DOCUMENTOS DE LECTURA FÁCIL

MedlinePlus is Designed for Everyone

- People use different search strategies
 - Type keywords in search box
 - Scan list of topics
 - Click on meaningful icons or visually appealing images
 - Browse pages
- No matter how someone searches, they will find information on MedlinePlus!

Health Topics

Drugs & Supplements

Videos & Cool Tools

ESPAÑOL

Refine by Type

All Results (68)

- ☐ Health Topics (2)
- ☐ External Health Links (60)
- ☐ Drugs and Supplements
- ☐ Medical Encyclopedia (2)
- ☐ Videos and Tutorials
- ☐ News (3)
- ☐ MedlinePlus Magazine
- ☐ Other Resources (1)
- ☐ Multiple Languages

Refine by Keyword

All Results (68)

- ☒ Veterans | War (22)
- ☐ Experience homelessness (7)
- ☐ Child | Stress (10)
- ☐ Tuberculosis | Hospitals (7)
- ☐ Other Topics (25)

Homeless Health Concerns

[Search Help](#)

Poor health can contribute to being homeless, and being homeless can lead to poor health. Limited access to health care can make it worse. That's why the health of homeless people in the United States is worse than that of the general population. Common health problems include

- Mental health problems
- Substance abuse problems
- Bronchitis and pneumonia
- Problems caused by being outdoors
- Wound and skin infections

Many homeless women are victims of domestic or sexual abuse. Homeless children have high rates of emotional and behavioral problems, often from having witnessed abuse.

[\(Read more\)](#)



Results 1 - 10 of 68 for homeless health concerns

1. [Homeless Health Concerns](#) (National Library of Medicine)

Poor **health** can contribute to being **homeless**, and being **homeless** can lead to poor **health**. Limited access to **health** care can make it worse. That's why the ...
www.nlm.nih.gov/medlineplus/homelesshealthconcerns.html - Health Topics

2. [Mental Health Woes Common Among Homeless Kids, Study Finds](#)

... 19, 2015 Related MedlinePlus Pages Child Mental Health Homeless Health Concerns

Homeless Health Concerns



Poor health can contribute to being homeless, and being homeless can lead to poor health. Limited access to health care can make it worse. That's why the health of homeless people in the United States is worse than that of the general population. Common health problems include

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- Substance abuse problems
- Bronchitis and pneumonia
- Problems caused by being outdoors
- Wound and skin infections

Many homeless women are victims of domestic or sexual abuse. Homeless children have high rates of emotional and behavioral problems, often from having witnessed abuse.

Help such as shelters, health centers, and free meals are available. Contact your local homelessness assistance agency.

Get Homeless Health Concerns updates by email

[What's this?](#)

Start Here

- [Individuals in Need](#) (United States Interagency Council on Homelessness)



Related Topics

[Veterans and Military Health](#)
[Social/Family Issues](#)

MedlinePlus links to health information from the National Institutes of Health and other federal government agencies. MedlinePlus also links to health information from non-government Web sites. See our [disclaimer](#) about external links and our [quality guidelines](#).

MedlinePlus: Topics of Interest

- Health Insurance
- Social/Family Issues
- Caregivers
- Parenting
- Homeless Health Concerns
- Exercise for Children
- Child Safety
- Dental Health
- Drugs and Young People
- Attention Deficit
Hyperactivity Disorder
- Pet Health
- Winter Weather
Emergencies
- Motor Vehicle Safety
- Occupational Health
- Asthma
- Autism
- Ergonomics
- Family History
- Personal Health Records
- Genetic Counseling
- Nutrition
- Sexual Health
- Sports Injuries
- Mobility Aids/Ambulation
Devices
- Lice
- Flu
- Conjunctivitis
- Food Safety
- Internet Safety

Need a Spelling or Definition?



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ESPAÑOL

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There are so many ways to be a good parent.

Find quality information and advice on our Parenting page

→ Health Topics

→ Drugs & Supplements

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MEDICAL DICTIONARY

GO

About Your Health

General

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Children

[Back Pain](#)

[COPD \(Chronic Obstructive Pulmonary Disease\)](#)



Health News

[Barbers: Cut, Shave, Lower Your Blood Pressure](#)

[Improving Math and Reading Skills May Be](#)

Full-featured Medical Dictionary



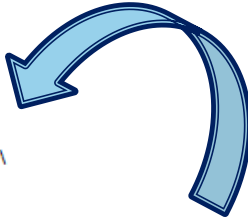
Medical Dictionary


10 entries found.

hypertension (noun)

benign intracranial
hypertension (noun)

essential hypertension
(noun)



Main Entry: **hy·per·ten·sion** 

Pronunciation: \hī-per-,ten-chən\

Function: *noun*

1: abnormally high arterial blood pressure that is usually indicated by an adult systolic blood pressure of 140 mm Hg or greater or a diastolic blood pressure of 90 mm Hg or greater, is chiefly of unknown cause but may be attributable to a preexisting condition (as a renal or endocrine disorder), that typically results in a thickening and inelasticity of arterial walls and hypertrophy of the left heart ventricle, and that is a risk factor for various pathological conditions or events (as heart attack, heart failure, stroke, end-stage renal disease, or retinal hemorrhage)—see [ESSENTIAL HYPERTENSION](#), [SECONDARY HYPERTENSION](#), [WHITE COAT HYPERTENSION](#) **2:** a systemic condition resulting from hypertension that is either symptomless or is accompanied especially by dizziness, palpitations, fainting, or headache

Clicking the speaker icon will play an audio pronunciation

Search here for another word:

 **SEARCH**



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Easy-to-Read



[How to Write](#) Easy-to-Read Health Materials

A

Acne

- [Acne](#) **Interactive Tutorial** (Patient Education Institute)
Also available in [Spanish](#)
- [What Is Acne?](#) **NIH** (National Institute of Arthritis and Musculoskeletal and Skin Diseases)
Also available in [Spanish](#)

Acute Lymphocytic Leukemia

- [Leukemia](#) **Interactive Tutorial** (Patient Education Institute)
Also available in [Spanish](#)

[URL](#) for MedlinePlus Easy-to-Read

MedlinePlus Offers Easy-to-Read Information

Easy-to-read Resources

- Plain language information from government agencies and health organizations
- Interactive Tutorials with audio, images, and text at 6th grade level

How to Write Easy-to-read

- Tools to help recognize elements of easy-to-read resources
- Helpful information for writing understandable information

National Institute of Mental Health: ADHD (Easy-to-Read)



Transforming the understanding
and treatment of mental illnesses.

Search the NIMH website

Search



HEALTH & EDUCATION

OUTREACH

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NEWS

ABOUT US

Mental Health Information

Publications

Educational Resources

Clinical Trials — Participants

Statistics

Help for Mental Illnesses

Home > Health & Education > Publications

Attention Deficit Hyperactivity Disorder (Easy-to-Read)

Introduction

What is attention deficit/hyperactivity disorder, or ADHD?

Who can develop ADHD?

What causes ADHD?

What are the symptoms of ADHD?



Order a free hardcopy

En Español

Introduction

Does your child have trouble paying attention? Does he or she talk nonstop or have trouble staying still? Does your child have a hard time controlling his or her behavior?

For some children, these may be symptoms of **attention deficit/hyperactivity disorder**, or **ADHD**.

SHARE



PRINT

Find Publications About:

- ▶ Attention Deficit Hyperactivity Disorder (ADHD)
- ▶ Children and Adolescents

[URL](#) for NIAMH ADHD Easy to Read Materials

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Health Information in Multiple Languages



Use these links to find health information in languages other than English. See our [quality guidelines](#) for how we select the links on these pages.

Browse information in multiple languages by [health topic](#).

[Amharic](#) (amarunya)[Arabic](#) (العربية)[Armenian](#) (Հայերեն)[Bengali](#) (Bangla)[Bosnian](#) (Bosanski)[Burmese](#) (myanmasa)[Chamorro](#) (chamoru)[Chinese - Simplified](#) (简体中文)[Chinese - Traditional](#) (繁體中文)[Chuukese](#) (Trukese)[Croatian](#) (Hrvatski)[Farsi](#) (فارسی)[French](#) (français)[German](#) (Deutsch)[Gujarathi](#) (ગુજરાતી)

Visit [HealthReach](#) for additional multilingual health information.

URL for MedlinePlus Multiple Languages Health Information

Multiple Languages on Health Topic Pages

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Tuberculosis

Also called: TB



Tuberculosis (TB) is a disease caused by bacteria called *Mycobacterium tuberculosis*. The bacteria usually attack the lungs, but they can also damage other parts of the body.

TB spreads through the air when a person with TB of the lungs or throat coughs, sneezes, or talks. If you have been exposed, you should go to your doctor for tests. You are more likely to get TB if you have a weak immune system.

Symptoms of TB in the lungs may include

- A bad cough that lasts 3 weeks or longer
- Weight loss
- Loss of appetite
- Coughing up blood or mucus
- Weakness or fatigue
- Fever
- Night sweats

Skin tests, blood tests, x-rays, and other tests can tell if you have TB. If not treated properly, TB can be deadly. You can usually cure active TB by taking several medicines for a long period of time.

NIH: National Institute of Allergy and Infectious Diseases



ADAM

MEDICAL ENCYCLOPEDIA


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[Coughing up blood](#)
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[Gastric culture](#)
[Hemoglobinuria test](#)
[Mediastinoscopy with biopsy](#)
[Meningitis - tuberculous](#)
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Related Topics

- [Tuberculosis](#) (Mayo Foundation for Medical Education and Research)
- [Understanding Tuberculosis](#) (American Lung Association)

Diagnosis/Symptoms

- [AFB \(Acid-Fast Bacillus\) Smear and Culture](#) (American Association for Clinical Chemistry)
 - [Chest X Ray](#)  (National Heart, Lung, and Blood Institute)
 - [Testing for TB Infection](#) (Centers for Disease Control and Prevention)
 - [Tuberculin Skin Testing](#) (Centers for Disease Control and Prevention)
 - [Tuberculosis: Learn the Signs and Symptoms of TB Disease](#) (Centers for Disease Control and Prevention)
- Also available in [Spanish](#)

Treatment

- [First-Line Treatment for Tuberculosis \(TB\), Drug Resistant TB -- A Visual Tour](#)  (National Institute of Allergy and Infectious Diseases)
 - [Staying on Track with TB Medicine](#) (Centers for Disease Control and Prevention) - PDF
 - [Treatment: Latent TB Infection \(LTBI\) and TB Disease](#) (Centers for Disease Control and Prevention)
- Also available in [Spanish](#)
- [Tuberculosis \(TB\): Treatment](#) (National Jewish Health)

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For You

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Pills to Prevent TB

That's why the doctor has prescribed them for you: to protect you from TB.

Your pills are probably isoniazid (often called INH). It is the same kind of medications that many TB patients take to help them get over the disease. For you, it will help prevent disease. But-and this is important-if they are to help you, the pills must be taken regularly: as often and as long as the doctor says.

Why do you need pills?

Someone close to you may have TB, that raises the possibility you have TB germs in your body-even though you are not sick. If so, you need protection.

If you have TB germs in your body, as shown by a tuberculin skin test, the doctor may feel that you particularly need preventive pills because...

- Your test show that you got the germs quite recently.

Kaniiniyada Loga Hortago Tibishada

Waa taas sababta uu takhtarka kugu qorey kaniiniyadaan: inuu kaa difaaco Tibisho.

Kaniiniyadaada waxey u badantahay iney yihiin isoniazid (sida badanna loo yaqaan INH). Waxey la mid tahay daawooyinka ay qataan badanaa dadka qabo Tibishada si ay ugu caawiso cudurka. Lakiin-waana muhiim-haddii adiga ay ku caawinayaan, kaniiniyada waa qasab in si joogta ah loo qaato: intii jeer iyo intii muddo uu takhtarka ku yiri.

Mazaad Ugu Baahantahay Kaniiniyada?

Qof kuu dhaw ayaa dhici karta inuu qabo Tibisho. Taas waxey kordhinee iney suurta gal noqoto in jeermigii Tibishada jirkaaga uu ku jiro, inkastoo addan jiraneyn. Haddii ay saa tahay, waxaad u bahan tahay difaac.

Haaddii jeermiga Tibiishada uu jirkaaga ku jiro, sida uu soo saaray baaristii maqaarka gacanta lagu suubiyay (tubercolin), takhtarka waxaa dhici karta inuu dareemo inaad si gaar ah ugu baahan tahay, kaniiniyada ka hor-tagga maxaayeelay...

- Baaristii lagu baaray waxey caddeysay inuu jeermiga ku galay dhawaan.

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No matter what kind of disaster you experience, it causes [emotional distress](#). After a disaster, recovery can take time. Stay connected to your family and friends during this period.

Federal Emergency Management Agency



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Asthma

Asthma is an inflammatory disorder of the airways, which causes attacks of [wheezing](#), shortness of breath, chest tightness, and coughing.

See also: [Pediatric asthma](#)

Causes

Asthma is caused by inflammation in the airways. When an asthma attack occurs, the muscles surrounding the airways become tight and the lining of the air passages swell. This reduces the amount of air that can pass by, and can lead to wheezing sounds.

Most people with asthma have wheezing attacks separated by symptom-free periods. Some patients have long-term shortness of breath with episodes of increased shortness of breath. In others, a cough may be the main symptom. Asthma attacks can last minutes to days and can become dangerous if the airflow becomes severely restricted.

In sensitive individuals, asthma symptoms can be triggered by breathing in allergy-causing substances (called allergens or triggers).

Common asthma triggers include:

- Animals (pet hair or dander)
- Dust
- Changes in weather (most often cold weather)
- Chemicals in the air or in food
- Exercise
- Mold

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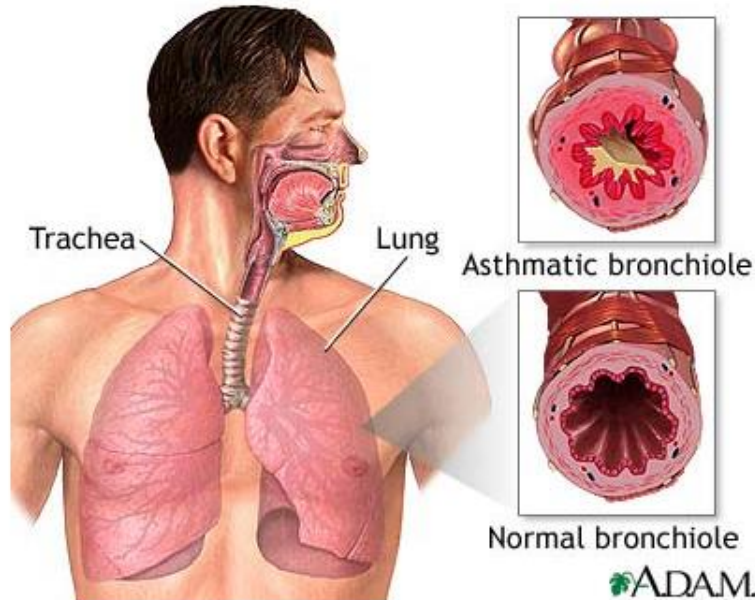
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Asthmatic bronchiole and normal bronchiole



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Asthma is a disease in which inflammation of the airways causes airflow into and out of the lungs to be restricted. When an asthma attack occurs, mucus production is increased, muscles of the bronchial tree become tight, and the lining of the air passages swells, reducing airflow and producing the characteristic wheezing sound.

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How to use a nebulizer

A nebulizer turns your asthma medicine into a mist you breathe. You use your lungs this way. If you use a nebulizer, you breathe in the medicine this way.

With a nebulizer, medicine goes into your lungs. You breathe in the medicine.

Many patients with asthma do not use inhalers. Inhalers work just as well, and they are easier to use.

Most nebulizers are small, so they are easy to use. Some nebulizers are called "jet" nebulizers. They use sound vibrations. These are called "ultrasonic" nebulizers. They are more expensive.

It takes some time to keep your nebulizer clean and working properly.

These are the basic steps to set up and use your nebulizer:

1. Connect the hose to an air compressor.
2. Fill the medicine cup with your prescription.
3. Attach the hose and mouthpiece to the medicine cup.
4. Place the mouthpiece in your mouth. Breathe through your mouth until all the medicine is used. (Most times, this takes 10 to 15 minutes). Some people use a nose clip to help them breathe only through their mouth. Small children usually do better if they wear a mask.
5. Wash the medicine cup and mouthpiece with water, and air dry until your next treatment.

Update Date:4/26/2010

Updated by: Neil K. Kaneshiro, MD, MHA, Clinical Assistant Professor of Pediatrics, University of Washington School of Medicine. Also reviewed by David Zieve, MD, MHA, Medical Director, A.D.A.M., Inc.

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Acetaminophen

(a set a mee' noe fen)



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herbs at a glance

Acai

Common Names: acai, açaí, Amazonian palm berry

Latin Name: *Euterpe oleracea*



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Introduction

This fact sheet provides basic information about acai (pronounced ah-sigh-EE)—common names, what the science says, potential side effects and cautions, and resources for more information.

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What is it?

Acai, pronounced AH-sigh-EE, is a palm tree that is widely distributed in the northern area of South America. Its berries are used to make medicine.

People use acai for osteoarthritis, high cholesterol, erectile dysfunction (ED), weight loss and obesity, "detoxification," and for improving general health. Acai gained popularity in North America after being promoted by Dr. Nicholas Perricone as a "Superfood for Age-Defying Beauty" on the Oprah Winfrey show.

As a food, the acai berry is eaten raw and as a juice. The juice is also used commercially as a beverage and in ice cream, jelly, and liqueurs.

In manufacturing, acai berry is used as a natural purple food colorant.

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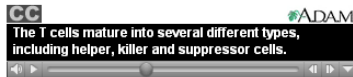
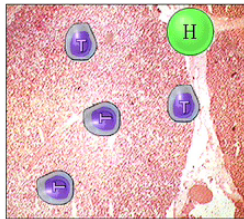
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Immune response



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The immune system includes specialized white blood cells, called lymphocytes that adapt themselves to fight specific foreign invaders. These cells develop into two groups in the bone marrow.

From the bone marrow, one group of lymphocytes migrates to a gland called the thymus and become T lymphocytes or T cells. Within the thymus, the T cells mature under the influence of several hormones.

The T cells mature into several different types, including helper, killer and suppressor cells. T cells are responsible for cell-mediated immunity. This type of immunity becomes deficient in persons with HIV, the virus that causes AIDS, because HIV attacks and destroys helper T cells.

The other group of lymphocytes, B lymphocytes or B cells, mature and develop within the bone marrow itself. In that process, they achieve the ability to recognize specific foreign invaders. From the bone marrow, B cells migrate through the body fluids to the lymph nodes, spleen and blood. B lymphocytes provide the body with humoral immunity as they circulate in the fluids in search of specific foreign invaders to destroy.

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metoprolol trazodone
vitamin d

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Latest Health News



Health news from HealthDay, plus recent press announcements from major medical organizations.

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Monday, March 9

[Depression and Asthma](#)  (HealthDay)

Related MedlinePlus Topics: [Asthma in Children](#), [Depression](#), [Health Problems in Pregnancy](#)

Saturday, March 7

[Study Suggests Link Between Adult Diabetes, Exposure to Smoke in Womb](#) (HealthDay)

Review of daughters hints at increased risk in middle age

Related MedlinePlus Topics: [Diabetes](#), [Pregnancy and Substance Abuse](#)

Friday, March 6

[A Sense of Purpose May Help Your Heart](#) (HealthDay)

Study finds physical rewards in meaningful activity

Related MedlinePlus Topics: [Heart Diseases--Prevention](#), [Mental Health](#)



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→ Videos & Cool Tools



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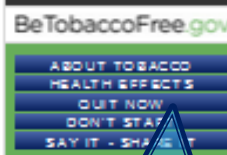


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NIH MedlinePlus the Magazine
<http://medlineplus.gov/magazine/>



NIH MedlinePlus the Magazine is the free, trusted consumer guide to MedlinePlus. The magazine showcases the National Institutes of Health's latest medical research and healthcare information. NIH MedlinePlus Salud, a free,

bilingual (Spanish/English) guide to health information is also available. Print subscriptions to both magazines are free of charge.

Mobile MedlinePlus
<http://m.medlineplus.gov/>

Find trusted health information from the experts at MedlinePlus and the National Library of Medicine on your mobile phone!

- Disease and wellness topics
- The latest health news
- An illustrated medical encyclopedia
- Information on prescription and over-the-counter medications



MedlinePlus on Twitter
<http://twitter.com/medlineplus/>



Stay up to date with the latest news and information on health, medicine, and wellness that matters to you with the MedlinePlus Twitter Feed!

About MedlinePlus

MedlinePlus is a free, reliable source of good health information from the world's largest medical library, the National Library of Medicine (NLM). Health professionals and consumers alike can depend on it for authoritative and up-to-date information in English, Spanish, and many other languages. MedlinePlus has extensive information from the National Institutes of Health (NIH) and other trusted sources. There is no advertising on the site, nor does MedlinePlus endorse any company or product.

Need Help?

Librarians find health information for patients and professionals. To identify a local library, visit <http://nnlm.gov/members/>. The National Network of Libraries of Medicine (NN/LM), an outreach program of NLM, provides assistance and training nationwide. Contact the NN/LM at 800-338-7657 or visit our web site at: <http://nnlm.gov/>.



Funded under contract No. HHS-N-276-2011-00009-C with UCLA and awarded by the DHHS, NIH, National Library of Medicine. This resource is freely available at: <http://nnlm.gov/training/resources/mptri.pdf>.

Updated: September 2011



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Diseases, health conditions, and wellness issues

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Side effects and interactions for drugs and herbals



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MedlinePlus Information for Trainers



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Information for Librarians and Trainers



The goal of MedlinePlus is to bring appropriate, authoritative health information to those who need it. We appreciate your efforts in training people on how to use MedlinePlus. Here are some training resources which might help you with your classes and health fairs.

Resources for Teaching MedlinePlus

MedlinePlus Tour

- MedlinePlus Tour in [English](#) and [Spanish](#) - A narrated tour of the main features of MedlinePlus. It runs about 8 minutes and requires Flash version 8 or above.
- Download the MedlinePlus tour in [English](#) and [Spanish](#) for use when no Internet connection is available.

MedlinePlus Brochures

- MedlinePlus PDF Brochure - in [English](#) (updated September 2011) and [Spanish](#) (updated September 2011)
- MedlinePlus PDF Brochure in [Creole](#) (updated October 2010)
- [MedlinePlus for Health Professionals](#) PDF Brochure (updated July 2013)
- [MedlinePlus Connect](#) PDF Brochure (updated October 2012)
- [MedlinePlus Mobile](#) PDF Brochure (updated March 2011)
- [MedlinePlus XML Data Sources](#) PDF Brochure (updated October 2011)

MedlinePlus Tutorial

- [Video Tutorial on MedlinePlus](#) (National Network of Libraries of Medicine, New England Region)

[URL](#) for MedlinePlus Information for Trainers

NLM Consumer Health Resources



National Library of Medicine®

NLM4Caregivers

NLM 4 Caregivers

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Government Organization

The National Library of Medicine (NLM) is a part of the National Institutes of Health, US Department of Health and Human Services (HHS).

About – Suggest an Edit



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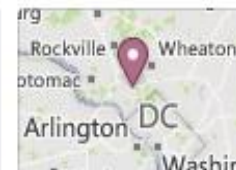


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NIH Senior Health provides health and wellness information for older adults from the National Institutes of Health.

This online resource includes:

- **Health Topics**
- **Exercise Stories**
- **Health Videos**
- **Trainer's Toolkit**



<http://medlineplus.gov/>

Access patient-oriented online information on over 950 health topics. Click the **green button** for **Drugs & Supplements** or search by drug name or disease. Other topics include: Drug Safety, Vitamins, Over the Counter Medicines, Pain Relievers, and Herbal Medicine.

Dietary Supplement Label Database

<http://dslid.nlm.nih.gov/>

This new label database includes information from 17,000 dietary supplement products marketed in the U.S. and includes product information, supplement facts, and ingredients.

LactMed

<http://lactmed.nlm.nih.gov/>

The Drugs and Lactation Database (LactMed) contains over 1000 drugs, supplements and herbs to which breastfeeding mothers may be exposed. Included is information on levels of substances in breast milk and infant blood, possible effects on nursing infants, potential alternate drugs, and additional resources.

Pillbox

<http://pillbox.nlm.nih.gov/>

Quickly identify unknown drugs by color, shape, size, imprint, and scoring. Nearly 11,800 pill images are available.

TOXNET

Toxicology Data Network

<http://toxnet.nlm.nih.gov/>

Search databases on hazardous chemicals, toxic releases and environmental health, including LactMed and:

- **ChemIDplus** – *Chemical Identification/Dictionary* providing information on structure, property and chemical toxicity
- **HSDB** – *Hazardous Substances Data Bank* with biological and physical data including animal/human toxicity studies
- **DART** – *Developmental and Reproductive Toxicology* literature and
- **TOXLINE** – *Toxicology Literature Online*, with citations from toxicological journals including those in PubMed

Drug Information from the NLM

For more information, visit:

<http://www.nlm.nih.gov/learn-about-drugs.html>

The National Network of Libraries of Medicine® (NN/LM), an outreach program of NLM™, provides assistance and training nationwide. To find a local library, please call 800-338-7657 or go to <http://nnlm.gov/members>

Funded under Contract No. HHS-N-276-2011-00005-C with the University of Illinois at Chicago and awarded by the DHHS, NIH, National Library of Medicine. This resource is freely available at: <http://nnlm.gov/training/resources/drugstri.pdf>
Reviewed: November 2013

All About Drugs @ NLM

The U.S. National Library of Medicine® (NLM) provides a variety of informational databases on drugs and herbal supplements.

Portals – search across multiple databases

- **Drug Information Portal** – search across most NLM databases
- **TOXNET** – focus on toxic chemicals

Labels Databases

- **DailyMed** – FDA approved drug labels
- **Dietary Supplement Label Database**

Additional Drug Information Sources

- **AIDSinfo** – AIDs drugs and vaccines
- **Clinical Trials** – Drugs in clinical trials
- **LactMed** – Drugs affecting lactating mothers and breastfed infants
- **LiverTox** – Drug-induced liver injury cases
- **MedlinePlus** – For patients and families
- **Pillbox** – Pill identifier
- **PubChem** – Chemical information including components of drugs
- **PubMed** – Article citations
- **RxNorm** – Drug name listing

NLM's Drug Information Resources

[URL](#) for Drug Information from NLM

[URL](#) for Drug Information Portal

[URL](#) for Drugs, Herbs & Supplements
(MedlinePlus)

[URL](#) for Pillbox

[URL](#) for DailyMed

[URL](#) for Dietary Supplement

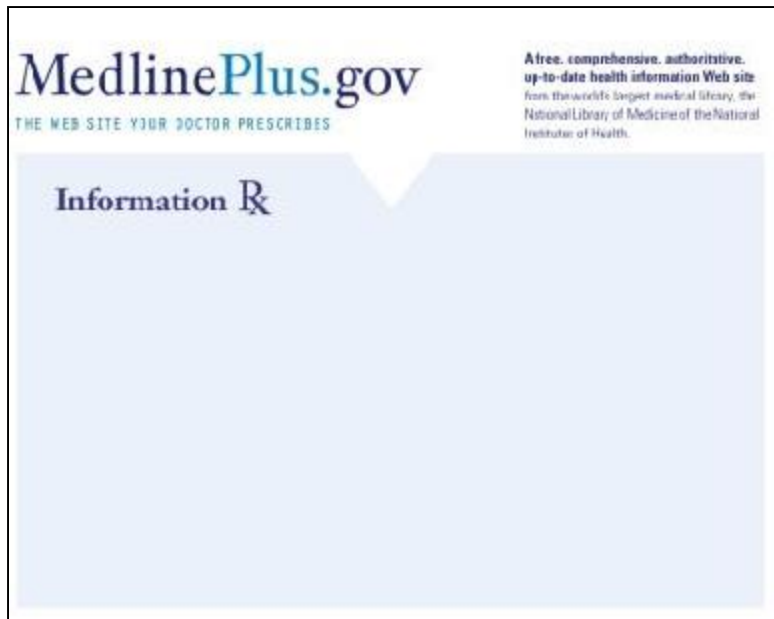
[URL](#) for RxNorm

[URL](#) for LactMed

[URL](#) for LiverTox



InformationRx.org



NLM Resources for Health Professionals

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Outreach to Health Professionals

NN/LM MAR promotes the use and access to reliable health information by health professionals in NY, NJ, PA and DE

Primary NN/LM MAR Contact: Kate Flewelling / Outreach Coordinator / flewkate@pitt.edu

For 2011-2016, our priority groups for health information outreach include:

- Health professionals unaffiliated with a medical library
- Public health professionals
- Mental health professionals
- Minority health professionals
- Critical Access Hospitals

Services to Health Professionals and Organizations

- Comprehensive [Affordable Care Act](http://guides.nlm.gov/mar_aca) Guide: http://guides.nlm.gov/mar_aca
 - Resources to assist with understanding ACA and support the general public with making informed decisions about their health care options
 - The guide will be *continually updated* with key resources
 - Includes *state-specific* information developed to better serve the needs of our 4-state region
- Free [online and in-person training](#) on reliable health information resources
- [Exhibiting and presenting](#) at your professional conference on free health information for health professionals and the public
- Free [educational materials](#) for order and download on National Library of Medicine (NLM) resources
- Free consultation on health information outreach
 - [Program Planning and Evaluation Resources](#)
- Funding [opportunities](#) for health information outreach
 - [Recent Awards](#)

View previous NN/LM MAR presentations.

- Information Rx
- MedlinePlus Connect
- NIH MedlinePlus Magazine
- NIH MedlinePlus Salud magazine
- Printable list of clinical resources

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Kate Flewelling

S

Contact Info

412-624-3336

Send Email

Links:

Website / Blog

Profile & Guides


Subjects:

Public Health, Mental Health, Clinical Resources, PubMed

URL for NN/LM MAR Health Professionals

URL for NN/LM MAR Clinical Resources Guide

NLM Resources for Public Libraries



National Network of Libraries of Medicine
nnlm.gov

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Public Libraries


Tags: [consumer health](#), [public library](#)

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NN/LM MAR Training




NNLM MAR Training & Educational Opportunities

NN/LM MAR staff provide no-cost training session on health information resources, with an emphasis on free resources from the National Library of Medicine. Locate information about upcoming trainings and see past offerings.

- [NNLM MAR Training & Educational Opportunities](#)
- [NN/LM MAR and the National Training Center upcoming courses](#)
View all upcoming courses offered by NN/LM MAR

Welcome to NN/LM MAR Information for Public Libraries




The National Library of Medicine (NLM) Provides freely available resources on a variety of topics for use by Public Libraries to use in their communities. Locate resources by subject using the information compiled by the Consumer Health Coordinator at the National Network of Libraries of Medicine, Middle Atlantic Region (NN/LM MAR).

Highlighted Resources by Population/Topic:

- [Adult/General/Senior Health](#)
- [Health Resources for Teens](#)
- [NLM's K-12 Resources](#)
- [Consumer Health](#)
- [Finding Health and Wellness @ the Library: A Consumer Health Toolkit for Library Staff 2nd edition](#)
- [Affordable Care Act Information](#)

NN/LM MAR Consumer Health Coordinator



Lydia Collins

Contact Info
NN/LM MAR
Health Sciences Library System
University of Pittsburgh
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3550 Terrace Street
Pittsburgh, PA 15261
412.624.1411
[Send Email](#)



Links:
[Profile & Guides](#)

Subjects:
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[Professionals Outreach Health](#)
[Library Outreach to Seniors](#)

[URL](#) for NN/LM MAR Outreach to Public Libraries
[URL](#) for NN/LM MAR Public Libraries Resource Guide

NLM Resources for K-12

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School Librarian News

- [Sense and Sensibility: Why Librarians Remain Essential to Our Schools \(Huffington Post Blog\)](#)

[Comments \(0\)](#)


The Value of School Librarians

OP-ED | College, Career and Democracy ready? Not without a trained librarian [\(June 2014 Article\)](#)



[Comments \(0\)](#)

NLM and K-12 Professionals




Whether you work in a K-12 School, Community or Faith-Based Organization providing after school programming, NLM provides resources to help enrich your curriculum/program. The [National Library of Medicine \(NLM\)](#), the world's largest medical library and a component of the National Institutes of Health, produces a variety of web-based resources for use by K-12 health and science educators.

Educators are welcome to review and use the modules or lesson plans, in whole or in-part, for their students' interests, levels and academic goals. These [resources](#) are designed to engage students' interest in and foster their analysis of a variety of health and science related topics.

Locate online resources in the following topics:

- [General Health and Biology](#)
- [Forensics and Medical Technology](#)
- [Genetics](#)
- [Environmental Health and Chemistry](#)

NN/LM MAR Consumer Health Coordinator



Lydia Collins

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[URL](#) for K-12 Professionals Resources



Mobile Resources

NLM Gallery of Mobile Apps and Sites

 U.S. National Library of Medicine

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Contact NLM

NLM Mobile

Home

Gallery of Mobile Apps and Sites




NLM Mobile

Type: HTML5 Web Application
Device: Smartphones

Launch

Guide to NLM Mobile

Use this authoritative guide to NLM mobile resources to locate sites and apps from NLM. Browse by Type, Device or Tags.




AIDSinfo Mobile

Type: Website

Launch

AIDSinfo Mobile

The latest federally approved HIV/AIDS medical practice guidelines, HIV treatment and prevention clinical trials, and other research information.



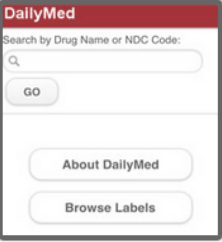
AIDSinfo HIV/AIDS Glossary

Type: Application
Device: Android, Apple iOS

Install

AIDSinfo HIV/AIDS Glossary

The AIDSinfo HIV/AIDS Glossary is a powerful tool that provides mobile access to over 850 pertinent HIV/AIDS glossary terms in both English and Spanish..



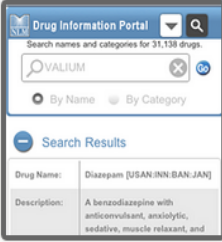
DailyMed

Type: Website

Launch

DailyMed

Provides high quality information about marketed drugs, including FDA labels (package inserts).




Drug Information Portal Mobile

Type: Website

Launch

Drug Information Portal Mobile

A mobile interface to information for over 31,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites, using their mobile version when available. Spell checking and autosuggest are used during input.



Embryo

Type: Application
Device: Apple iOS

Install

Embryo

Visually explore human embryo development with the Embryo app.

[URL](#) for NLM Mobile Resources

Versatile PubMed

URL FOR PUBMED MOBILE



PubMed Mobile

PubMed includes millions of citations for biomedical literature from MEDLINE, life science journals, and online books.

Type: Website

Launch



Type: Website and Application
Device: Apple iOS

Launch

Install

PubMed® for Handhelds

Mobile site features multiple ways to search PubMed/MEDLINE: PICO (Patient, Intervention, Comparison, Outcome); askMEDLINE, a free-text, natural language search; and Consensus Abstracts. Apple iOS app includes these options as well as BabelMeSH which has search options in 13 languages.

URL FOR PUBMED FOR HANDHELDS

Locate Quality Health Apps and Mobile Sites of Interest

[URL](#) for NLM Mobile Gallery

[URL](#) for USA.gov Director of Apps/Sites

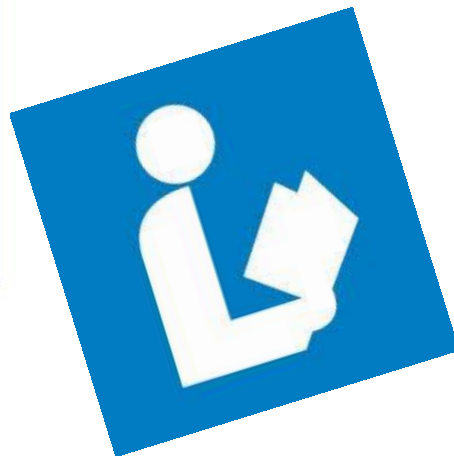
[URL](#) for CDC Mobile Activities

[URL](#) for Health and Human Services Mobile Apps

[URL](#) for Veterans Administration Mobile Health

Extending Our Reach: Reducing Homelessness Through Library Engagement

Extending
Our Reach:
Reducing
Homelessness
Through Library
Engagement



- Review this web site from the American Library Association to see examples of Model Programs in libraries to engage the homeless populations. Consider partnering with your public library.

Become a Network Member

Members of the [National Network of Libraries of Medicine](#) (NN/LM) provide health professionals and the general public with health information resources and services.

If you are providing health information through a library, information center or other organization, please consider joining the NN/LM network.

Why Should I Join?

Network Members receive a variety of benefits and services, including:

Benefits	Full Members	Affiliate Members
Eligibility for award funding for health information access and other projects	X	X
Training and educational opportunities for librarians, health professionals, and consumers	X	X
Opportunities to partner with other health sciences libraries or health-related information centers	X	X
Obtain educational and printed materials for NLM posters, brochures, bookmarks, and other publications	X	X
Opportunities to request an NLM Traveling Exhibition to visit your library or organization	X	X
Opportunities to provide input on regional NN/LM programs and services	X	X
A certificate recognizing your institution, library or organization as a NN/LM member	X	X
Access to DOCLINE , the interlibrary loan system used by health sciences libraries	X	

Who Can Join?

Membership is **free** but there are some requirements to participate. Each NN/LM member institution, regardless of category, must agree to make these basic contributions:

- To designate an individual as the NN/LM liaison for local Network communications
- To be listed in the [NN/LM Members Directory](#)



- [URL](#) NN/LM MAR Membership

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